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12320

<110> Ni, Jian
Ruben, Steven M.

<120> Human Tumor Necrosis Factor Receptor-Like Proteins
TR11, TR11SV1, and TR11SV2

<130> PF396

<140> Unassigned
<141> 2000-02-23

<150> 60/063,212
<151> 1997-10-21

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<151> 1999-02-24

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<151> 1999-05-13

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<170> PatentIn Ver. 2.0

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atg gca cag cac ggg gcg atg ggc gcg ttt cgg gcc ctg tgc ggc ctg 165
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983

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10 15 20
Cys Cys Arg Val His Thr Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu
25 30 35
Glu Cys Cys Ser Glu Trp Asp Cys Met Cys Val Gln Pro Glu Phe His
40 45 50 55
Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg His His Pro Cys Pro Pro
60 65 70
Gly Gln Gly Val Gln Ser Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys
75 80 85
Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly Gly His Glu Gly His Cys
90 95 100
Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly Phe Leu Thr Val Phe Pro
105 110 115
Gly Asn Lys Thr His Asn Ala Val Cys Val Pro Gly Ser Pro Pro Ala
120 125 130 135
Glu Pro Leu Gly Trp Leu Thr Val Val Leu Leu Ala Val Ala Ala Cys
140 145 150
Val Leu Leu Leu Thr Ser Ala Gln Leu Gly Leu His Ile Trp Gln Leu
155 160 165
Arg Lys Thr Gln Leu Leu Glu Val Pro Pro Ser Thr Glu Asp Ala
170 175 180
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Met	Ala	Pro	Gly	Glu	Arg	Asp	Ser	Trp	Ile	Asn	Pro	Gly	Pro	Asp	Ser	
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cag	cca	gga	gcc	ctc	tgc	tcc	ctg	gag	cca	act	gtg	ggt	gga	gaa	cgg	216
Gln	Pro	Gly	Ala	Leu	Cys	Ser	Leu	Glu	Pro	Thr	Val	Gly	Gly	Glu	Arg	
20	25	30														

aca	acc	tca	ctc	ccc	tgg	agg	gcc	gag	ggg	agg	cct	ggg	gag	gag	ggg	264
Thr	Thr	Ser	Leu	Pro	Trp	Arg	Ala	Glu	Gly	Arg	Pro	Gly	Glu	Gly		
35	40	45														

gcc	tca	gcc	cag	ctg	ctg	ggg	ggc	tgg	cct	gtc	tcc	tgc	cca	ggc	gag	312
Ala	Ser	Ala	Gln	Leu	Leu	Gly	Gly	Trp	Pro	Val	Ser	Cys	Pro	Gly	Glu	
50	55	60														

gag	tgc	tgt	tcc	gag	tgg	gac	tgc	atg	tgt	gtc	cag	cct	gaa	ttc	cac	360
Glu	Cys	Cys	Ser	Glu	Trp	Asp	Cys	Met	Cys	Val	Gln	Pro	Glu	Phe	His	
65	70	75	80													

tgc	gga	gac	cct	tgc	acg	acc	tgc	cg	cac	cac	cct	tgt	ccc	cca	408	
Cys	Gly	Asp	Pro	Cys	Cys	Thr	Thr	Cys	Arg	His	His	Pro	Cys	Pro	Pro	
85	90	95														

ggc	cag	ggg	gta	cag	tcc	cag	ggg	aaa	ttc	agt	ttt	ggc	ttc	cag	tgt	456
Gly	Gln	Gly	Val	Gln	Ser	Gln	Gly	Lys	Phe	Ser	Phe	Gly	Phe	Gln	Cys	
100	105	110														

atc	gac	tgt	gcc	tcg	ggg	acc	ttc	tcc	ggg	ggc	cac	gaa	ggc	cac	tgc	504
Ile	Asp	Cys	Ala	Ser	Gly	Thr	Phe	Ser	Gly	Gly	His	Glu	Gly	His	Cys	
115	120	125														

aaa	cct	tgg	aca	gac	tgc	acc	cag	ttc	ggg	ttt	ctc	act	gtg	ttc	cct	552
Lys	Pro	Trp	Thr	Asp	Cys	Thr	Gln	Phe	Gly	Phe	Leu	Thr	Val	Phe	Pro	
130	135	140														

ggg	aac	aag	acc	cac	aac	gct	gtg	tgc	gtc	cca	ggg	tcc	ccg	ccg	gca	600
Gly	Asn	Lys	Thr	His	Asn	Ala	Val	Cys	Val	Pro	Gly	Ser	Pro	Pro	Ala	
145	150	155	160													

gag	ccg	ctt	ggg	tgg	ctg	acc	gtc	gtc	ctc	ctg	gcc	gtc	gcc	gtc	tgc	648
Glu	Pro	Leu	Gly	Trp	Leu	Thr	Val	Val	Leu	Leu	Ala	Val	Ala	Ala	Cys	
165	170	175														

gtc	ctc	ctc	ctg	acc	tcg	gcc	cag	ctt	gga	ctg	cac	atc	tgg	cag	ctg	696
Val	Leu	Leu	Leu	Thr	Ser	Ala	Gln	Leu	Gly	Leu	His	Ile	Trp	Gln	Leu	
180	185	190														

235

agg agt cag tgc atg tgg ccc cga gag acc cag ctg ctg gag gtg	744
Arg Ser Gln Cys Met Trp Pro Arg Glu Thr Gln Leu Leu Glu Val	
195 200 205	
ccg ccg tcg acc gaa gac gcc aga agc tgc cag ttc ccc gag gaa gag	792
Pro Pro Ser Thr Glu Asp Ala Arg Ser Cys Gln Phe Pro Glu Glu Glu	
210 215 220	
cgg ggc gag cga tcg gca gag gag aag ggg cgg ctg gga gac ctg tgg	840
Arg Gly Glu Arg Ser Ala Glu Glu Lys Gly Arg Leu Gly Asp Leu Trp	
225 230 235 240	
gtg tgagcctggc cgtcctccgg ggccaccgac cgcagccagc ccctccccag	893
Val	
gagctccca ggccgcaggg gctctgcgtt ctgctctggg cccggccctg ctcccctggc	953
agcagaagtg ggtgcaggaa ggtggcagtg accagcgccc tggaccatgc agtt	1007

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35 40 45	
Ala Ser Ala Gln Leu Leu Gly Gly Trp Pro Val Ser Cys Pro Gly Glu	
50 55 60	
Glu Cys Cys Ser Glu Trp Asp Cys Met Cys Val Gln Pro Glu Phe His	
65 70 75 80	
Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg His His Pro Cys Pro Pro	
85 90 95	
Gly Gln Gly Val Gln Ser Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys	
100 105 110	
Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly Gly His Glu Gly His Cys	
115 120 125	
Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly Phe Leu Thr Val Phe Pro	
130 135 140	
Gly Asn Lys Thr His Asn Ala Val Cys Val Pro Gly Ser Pro Pro Ala	
145 150 155 160	
Glu Pro Leu Gly Trp Leu Thr Val Val Leu Leu Ala Val Ala Ala Cys	
165 170 175	

230

Val Leu Leu Leu Thr Ser Ala Gln Leu Gly Leu His Ile Trp Gln Leu
 180 185 190

Arg Ser Gln Cys Met Trp Pro Arg Glu Thr Gln Leu Leu Leu Glu Val
 195 200 205

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agc ctg ggt cag cgc ccc acc ggg ggt ccc ggg tgc ggc cct ggg cgc	96
Ser Leu Gly Gln Arg Pro Thr Gly Gly Pro Gly Cys Gly Pro Gly Arg	
-1 1 5 10	

ctc ctg ctt ggg acg gga acg gac gcg cgc tgc tgc cgg gtt cac acg	144
Leu Leu Leu Gly Thr Gly Thr Asp Ala Arg Cys Cys Arg Val His Thr	
15 20 25	

acg cgc tgc tgc cgc gat tac ccg gcc cag ctg ctg ggg ggc tgg cct	192
Thr Arg Cys Cys Arg Asp Tyr Pro Ala Gln Leu Leu Gly Gly Trp Pro	
30 35 40 45	

gtc tcc tgc cca ggc gag gag tgc tgt tcc gag tgg gac tgc atg tgt	240
Val Ser Cys Pro Gly Glu Glu Cys Cys Ser Glu Trp Asp Cys Met Cys	
50 55 60	

gtc cag cct gaa ttc cac tgc gga gac cct tgc tgc acg acc tgc cgg	288
Val Gln Pro Glu Phe His Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg	
65 70 75	

cac cac cct tgt ccc cca ggc cag ggg gta cag tcc cag ggg aaa ttc	336
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237

His His Pro Cys Pro Pro Gly Gln Gly Val Gln Ser Gln Gly Lys Phe					
80	85	90			
agt ttt ggc ttc cag tgt atc gac tgt gcc tcg ggg acc ttc tcc ggg					384
Ser Phe Gly Phe Gln Cys Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly					
95	100	105			
ggc cac gaa ggc cac tgc aaa cct tgg aca gac tgc acc cag ttc ggg					432
Gly His Glu Gly His Cys Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly					
110	115	120			125
ttt ctc act gtg ttc cct ggg aac aag acc cac aac gct gtg tgc gtc					480
Phe Leu Thr Val Phe Pro Gly Asn Lys Thr His Asn Ala Val Cys Val					
130	135	140			
cca ggg tcc ccg ccg gca gag ccg ctt ggg tgg ctg acc gtc gtc ctc					528
Pro Gly Ser Pro Pro Ala Glu Pro Leu Gly Trp Leu Thr Val Val Leu					
145	150	155			
ctg gcc gtg gcc gcc tgc gtc ctc ctc ctg acc tcg gcc cag ctt gga					576
Leu Ala Val Ala Ala Cys Val Leu Leu Leu Thr Ser Ala Gln Leu Gly					
160	165	170			
ctg cac atc tgg cag ctg agg aag acc cag ctg ctg gag gtg ccg					624
Leu His Ile Trp Gln Leu Arg Lys Thr Gln Leu Leu Leu Glu Val Pro					
175	180	185			
ccg tcg acc gaa gac gcc aga agc tgc cag ttc ccc gag gaa gag ccg					672
Pro Ser Thr Glu Asp Ala Arg Ser Cys Gln Phe Pro Glu Glu Glu Arg					
190	195	200			205
ggc gag cga tcg gca gag gag aag ggg cgg ctg gga gac ctg tgg gtg					720
Gly Glu Arg Ser Ala Glu Glu Lys Gly Arg Leu Gly Asp Leu Trp Val					
210	215	220			
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-1 1 5 10

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 15 20 25

Thr Arg Cys Cys Arg Asp Tyr Pro Ala Gln Leu Leu Gly Gly Trp Pro
 30 35 40 45

Val Ser Cys Pro Gly Glu Glu Cys Cys Ser Glu Trp Asp Cys Met Cys
 50 55 60

Val Gln Pro Glu Phe His Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg
 65 70 75

His His Pro Cys Pro Pro Gly Gln Gly Val Gln Ser Gln Gly Lys Phe
 80 85 90

Ser Phe Gly Phe Gln Cys Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly
 95 100 105

Gly His Glu Gly His Cys Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly
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Phe Leu Thr Val Phe Pro Gly Asn Lys Thr His Asn Ala Val Cys Val
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Pro Gly Ser Pro Pro Ala Glu Pro Leu Gly Trp Leu Thr Val Val Leu
 145 150 155

Leu Ala Val Ala Ala Cys Val Leu Leu Leu Thr Ser Ala Gln Leu Gly
 160 165 170

Leu His Ile Trp Gln Leu Arg Lys Thr Gln Leu Leu Leu Glu Val Pro
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Ala Pro Gly Lys Glu Asp Cys Pro Lys Glu Arg Cys Ile Cys Val Thr
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239

Pro Glu Tyr His Cys Gly Asp Pro Gln Cys Lys Ile Cys Lys His Tyr
 65 70 75 80
 Pro Cys Gln Pro Gly Gln Arg Val Glu Ser Gln Gly Asp Ile Val Phe
 85 90 95
 Gly Phe Arg Cys Val Ala Cys Ala Met Gly Thr Phe Ser Ala Gly Arg
 100 105 110
 Asp Gly His Cys Arg Leu Trp Thr Asn Cys Ser Gln Phe Gly Phe Leu
 115 120 125
 Thr Met Phe Pro Gly Asn Lys Thr His Asn Ala Val Cys Ile Pro Glu
 130 135 140
 Pro Leu Pro Thr Glu Gln Tyr Gly His Leu Thr Val Ile Phe Leu Val
 145 150 155 160
 Met Ala Ala Cys Ile Phe Phe Leu Thr Thr Val Gln Leu Gly Leu His
 165 170 175
 Ile Trp Gln Leu Arg Arg Gln His Met Cys Pro Arg Glu Thr Gln Pro
 180 185 190
 Phe Ala Glu Val Gln Leu Ser Ala Glu Asp Ala Cys Ser Phe Gln Phe
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catggccccca ggagaaaagag acagctggat aaaccagggg tccagactcc cagccaggga 180
gccctctgct ccctggagcc aactgtgggt ggagaacggaa caacctcaact cccctggtag 240
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242

ggtnacattc ccagggaaan ttcattttg gnttccatgt ttcgatgtgc ntctggaaat 480
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tctccggac tcctgagggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg 180
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agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggc aaaggcttct 480
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ccacgcctcc cgtgctggac tccgacggct ctttcttcct ctacagcaag ctcaccgtgg 600
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Cys Cys Arg Val His Thr Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu
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Glu Cys Cys Ser Glu Trp Asp Cys Met Cys Val Gln Pro Glu Phe His
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Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg His His Pro Cys Pro Pro
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246

Gly Gln Gly Val Gln Ser Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys
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Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly Gly His Glu Gly His Cys
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Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly Phe Leu Thr Val Phe Pro
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Glu Pro Leu Gly Trp Leu Thr Val Val Leu Leu Ala Val Ala Ala Cys
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Pro Pro Ser Thr Glu Asp Ala Arg Ser Cys Gln Phe Pro Glu Glu Glu
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Arg Gly Glu Arg Ser Ala Glu Glu Lys Gly Arg Leu Gly Asp Leu Trp
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Val

247